

RECEIVED
CENTRAL FAX CENTER

JAN 23 2006

Attorney's Docket No.: 42390P4912X

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:
Mohammad Abdallah et al.

Examiner: Whitmore, Stacy

Application No. 09/783,875

Art Unit: 2825

Filed: February 14, 2001

CERTIFICATE OF TRANSMISSION

For: METHOD AND APPARATUS FOR
FLOATING POINT OPERATIONS AND
FORMAT CONVERSION OPERATIONS

I hereby certify that this correspondence is being facsimile
transmitted to the United States Patent and Trademark
Office,
Fax No. (571) 273-8300

on 1/23/2006
Date


Lawrence Menneier

Mail Stop Amendment
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed are Information Disclosure Citation Forms PTO/SB/08A and PTO/SB/08B. The non-patent documents cited on these forms were previously submitted with Information Disclosure Statements in earlier applications, Ser. No. 09/070,891, now US Patent No. 6,266,769 and/or Ser. No. 09/071,466, now US Patent No. 6,282,554, which are being relied upon for an earlier effective filing date under 35 USC §120.

It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Forms be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

- 1 -

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):


- ☒ 37 C.F.R. §1.97(b).
- ☐ 37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:
- ☐ A statement pursuant to 37 C.F.R. §1.97(e) or
- ☐ Payment of \$180.00 for the fee under 37 C.F.R. § 1.17(p).
- ☐ 37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:
- (1) A statement pursuant to 37 C.F.R. §1.97(e); and
 - (2) Payment of \$180.00 for the fee under 37 C.F.R. § 1.17(p)

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: January 23, 2006



Lawrence M. Mennemeier
Reg. No. 51003

12400 Wilshire Blvd.
Seventh Floor
Los Angeles, CA 90025-1026
(408) 720-8598

JAN 23 2006

PTO/SB/QRA (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Sheet 1 of 5

Complete if Known

Application Number	09/783,875
Filing Date	February 14, 2001
First Named Inventor	Mohammad Abdallah, et. al.
Art Unit	2825
Examiner Name	Whitmore, Stacy
Attorney Docket Number	42390P4912X

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code* (If known)			
		US- 4949291	Aug., 1990	Saini	
		US- 5157388	Oct., 1992	Kohn	
		US- 5257215	Oct., 1993	Poon.	
		US- 5303174	Apr., 1994	Okamoto.	
		US- 5528741	Jun., 1996	Lucas	
		US- 5627773	May., 1997	Wolrich et al.	
		US- 5673407	Sep., 1997	Poland et al.	
		US- 5696709	Dec., 1997	Smith, Sr.	
		US- 5721855	Feb., 1998	Hinton et al.	
		US- 5729724	Mar., 1998	Sharangpani et al.	
		US- 5740093	Apr., 1998	Sharangpani	
		US- 5761103	Dec., 2000	Oakland et al.	
		US- 5764548	Jun., 1998	Keith et al.	
		US- 5768170	Jun., 1998	Smith	
		US- 5802219	Sep., 1998	Farkas et al.	
		US- 5805486	Sep., 1998	Sharangpani.	
		US- 5848284	Dec., 1998	Sharangpani.	
		US- 5852726	Dec., 1998	Lin	
		US- 5874969	Feb., 1999	Storm et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T*
		Country Code ² Number ⁴ Kind Code ³ (If known)				
		WO99/23548	May, 1999	Oberman et. al.		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. †Applicant's unique citation designation number (optional). ‡See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. §Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ¶For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. **Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ***Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (07-05)

Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	09/783,875
		Filing Date	February 14, 2001
		First Named Inventor	Mohammad Abdallah, et. al.
		Art Unit	2825
		Examiner Name	Whitmore, Stacy
Sheet 2 of 5	Attorney Docket Number	42390P4912X	

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5968116	Oct., 1999	Day, II et al.	
		US- 5978901	Jun., 1998	Luedtke et al.	
		US- 5995122	Nov., 1999	Hsieh et al.	
		US- 6058465	May, 2000	Nguyen	
		US- 5673093	Sep., 1997	Poland, et. al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.†	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. †Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-766-9199) and select option 2.

PTO/SB/088 (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	09/783,875		
		Filing Date	February 14, 2001		
		First Named Inventor	Mohammad Abdallah, et. al.		
		Art Unit	2825		
		Examiner Name	Whitmore, Stacy		
Sheet	3	of	5	Attorney Docket Number	42390P4912X

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Sun Microsystems; "Visual Instruction Set (VIS.TM.) User's Guide"; Ver. 1.1, Mar. 1997; pp. 11-12.	
		Advanced Micro Devices (AMD); "AMD-3D.TM. Technology Manual"; Feb., 1998; pp. 19, 20.	
		MIPS Technologies, Inc.; "MIPS Extension for Digital Media with 3D"; Dec. 3, 1996, pp. 1-26.	
		Bistry, et al.; "The Complete Guide to MMX.TM. Technology"; 1997; Chapter 1--pp. 2-22.	
		Bistry, et al.; "The Complete Guide to MMX.TM. Technology"; 1997; Chapter 2--pp. 24-34.	
		Bistry, et al.; "The Complete Guide to MMX.TM. Technology"; 1997; Chapter 4--pp. 54-65.	
		Bistry, et al.; "The Complete Guide to MMX.TM. Technology"; 1997; Chapter 5--pp. 68-110.	
		Bistry, et al.; "The Complete Guide to MMX.TM. Technology"; 1997; Appendix B--pp. 257-268.	
		Tom Shanley; "Pentium.RTM. Pro and Pentium.RTM.II System Architecture"; 1998; Chapter 18--pp. 379-406.	
		Tom Shanley; "Pentium.RTM. Pro and Pentium .RTM.II System Architecture"; 1998; Chapter 26--pp. 507-520.	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/088 (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

4

of

5

Complete if Known

Application Number	09/783,875
Filing Date	February 14, 2001
First Named Inventor	Mohammad Abdallah, et. al.
Art Unit	2825
Examiner Name	Whitmore, Stacy
Attorney Docket Number	42390P4912X

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Rohan Coelho, et al.; "Direct X.RTM., RDX, RSX, and MMX.TM. Technology a Jumpstart Guide to High Performance APIs"; 1998; Chapter 18--pp. 277-286.	
		Rohan Coelho, et al.; "Direct X.RTM., RDX, RSX, and MMX.TM. Technology a Jumpstart Guide to High Performance APIs"; 1998, Chapter 19--pp. 289-308.	
		Rohan Coelho, et al.; "Direct X.RTM., RDX, RSX, and MMX.TM. Technology a Jumpstart Guide to High Performance APIs"; 1998; Chapter 20--pp. 311-330.	
		Rohan Coelho, et al.; "Direct X.RTM., RDX, RSX, and MMX.TM. Technology a Jumpstart Guide to High Performance APIs"; 1998; Chapter 22--pp. 349-371.	
		Alpha Architecture Handbook Version 3, Oct. 1996, pp. 4-79 to 4-116.	
		"Mechanism to clamp and pack lit floating-point colors", IBM Technical Disclosure Bulletin, Mar. 1997, v40, n3, pp 163-164.	
		"Hyperspeed product benchmarks--X860/XP860", Apr. 3, 1996, at www5.electriciti.com/hyperspd/i860bnch.html.	
		AMD-K6 Processor Data Sheet, Mar. 1998, Advanced Micro Devices, Inc. pp. 21-38.	
		"MIPS V Instruction Set," Oct. 1996, Rev. 1.0; pp. B-1, B-2, B-18.	
		"MIPS Digital Media Extension"; Oct. 1996, Rev. 1.0 pp C-1, C-2.	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/S&088 (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

5

of

5

Complete if Known

Application Number	09/783,875
Filing Date	February 14, 2001
First Named Inventor	Mohammad Abdallah, et. al.
Art Unit	2825
Examiner Name	Whitmore, Stacy
Attorney Docket Number	42390P4912X

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Darley, M. et al, "The TMS390C602A Floating-Point Coprocessor for Sparc Systems", IEEE MICRO, Jun. 1990, pp. 36-47.	
		Gilliam, K. et al, "Design and Architecture for a Multi-Mode Pipelined, Floating-Point Adder", Proceedings of the IEEE, 1991, pp. 73-76.	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.